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(FILE 'HOME' ENTERED AT 17:55:46 ON 20 DEC 2008)

FILE 'REGISTRY' ENTERED AT 17:55:57 ON 20 DEC 2008
 L1 STRUCTURE uploaded
 L2 STRUCTURE uploaded
 L3 0 S L1 OR L2
 L4 7 S L1 OR L2 FULL

=> d que l4 stat

L1 STR
 L2
 G1
 Ak—O—CH₂—CH—O—[CH₂—CH₂—O]₁₋₄S—O
 0
 0

G1 Me,Et

Structure attributes must be viewed using STN Express query preparation.
 L2 STR

Ak—O—CH₂—CH—O—CH₂—CH—O—[CH₂—CH₂—O]₁₋₄S—O
 G1 G1 0
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G1 Me,Et

Structure attributes must be viewed using STN Express query preparation.
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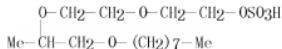
100.0% PROCESSED 6326 ITERATIONS 7 ANSWERS
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=> d 1-7 ide can

L4 ANSWER 1 OF 7 REGISTRY COPYRIGHT 2008 ACS on STN
RN 742041-42-5 REGISTRY
ED Entered STN: 10 Sep 2004
CN Poly[oxy(methyl-1,2-ethanediyl)], α -dodecyl- ω -[2-[2-(sulfooxy)ethoxy]ethoxy]- (9CI) (CA INDEX NAME)
MF (C₃ H₆ O)_n C₁₆ H₃₄ O₆ S
CI IDS, PMS, COM
PCT Polyether
SR CA

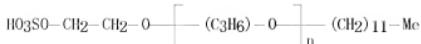


L4 ANSWER 2 OF 7 REGISTRY COPYRIGHT 2008 ACS on STN
RN 737737-25-6 REGISTRY
ED Entered STN: 02 Sep 2004
CN Ethanol, 2-[2-[1-methyl-2-(octyloxy)ethoxy]ethoxy]-, 1-(hydrogen sulfate)
(CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ethanol, 2-[2-[1-methyl-2-(octyloxy)ethoxy]ethoxy]-, hydrogen sulfate
(9CI)
MF C15 H32 O7 S
CI COM
SR CA

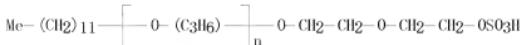


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 ANSWER 3 OF 7 REGISTRY COPYRIGHT 2008 ACS on STN
RN 690952-71-7 REGISTRY
ED Entered STN: 08 Jun 2004
CN Poly[oxy(methyl-1,2-ethanediyl)], α -dodecyl- ω -[2-(sulfoxy)ethoxy] (9CI) (CA INDEX NAME)
MF (C₃H₆O)_n C₁₄H₃₀ O₅ S
CI IDS, PMS, COM
PCT Polyether
SR CA



L4 ANSWER 4 OF 7 REGISTRY COPYRIGHT 2008 ACS on STN
RN 190454-12-7 REGISTRY
ED Entered STN: 27 Jun 1997
CN Poly[oxy(methyl-1,2-ethanediyl)], α -dodecyl- ω -[2-[2-(sulfoxy)ethoxy]ethoxy]⁻, ammonium salt (9CI) (CA INDEX NAME)
MF (C₃H₆O)_n C₁₆H₃₄O₆S⁻ . H₃N⁺
CI IDS, PMS
PCT Polyether
SR CAS Client Services
CRN (742041-42-5)



● NH₃

L4 ANSWER 5 OF 7 REGISTRY COPYRIGHT 2008 ACS on STN
RN 182704-29-6 REGISTRY
ED Entered STN: 05 Nov 1996
CN Poly[oxy(methyl-1,2-ethanediyl)], α -dodecyl- ω -[2-(sulfooxy)ethoxy], sodium salt (9CI) (CA INDEX NAME)
MF (C₃H₆O)_n C₁₄H₃₀OS⁺ Na⁻
CI IDS, PMS
PCT Polyether
SR CA
LC STN Files: CA, CAPLUS
CRN (690952-71-7)

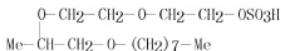


● Na

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 125:279230

L4 ANSWER 6 OF 7 REGISTRY COPYRIGHT 2008 ACS on STN
RN 176660-48-3 REGISTRY
ED Entered STN: 24 May 1996
CN Ethanol, 2-[2-[1-methyl-2-(octyloxy)ethoxy]ethoxy]-, 1-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ethanol, 2-[2-[1-methyl-2-(octyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt (9CI)
MF C15 H32 O7 S . Na
SR CA
LC STN Files: CA, CAPLUS
CRN (737737-25-6)

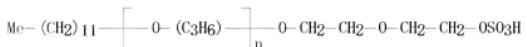


● Na

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 124:320183

L4 ANSWER 7 OF 7 REGISTRY COPYRIGHT 2008 ACS on STN
RN 166407-12-1 REGISTRY
ED Entered STN: 17 Aug 1995
CN Poly[oxy(methyl-1,2-ethanediyl)], α -dodecyl- ω -[2-[2-(sulfoxy)ethoxy]ethoxy]⁻, sodium salt (9CI) (CA INDEX NAME)
MF (C₃H₆O)_n C₁₆H₃₄O₆S⁻Na⁺
CI IDS, PMS
PCT Polyether
SR CA
LC STN Files: CA, CAPLUS
CRN (742041-42-5)



● Na

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 144:130783

REFERENCE 2: 123:148412

=> fil cap1
FILE 'CAPLUS' ENTERED AT 17:57:33 ON 20 DEC 2008
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FILE COVERS 1907 - 20 Dec 2008 VOL 149 ISS 26
FILE LAST UPDATED: 19 Dec 2008 (20081219/ED)

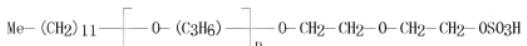
Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

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<http://www.cas.org/legal/infopolicy.html>
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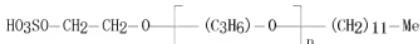
L5 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 2005:459049 CAPLUS
 DN 144:130783
 TI Synthesis of new extended surfactants containing a carboxylate or sulfate polar group
 AU Fernandez, Alvaro; Scorzza, Cesar; Usobilaga, Alfredo; Salager, Jean-Louis
 CS Research Institute, Pharmacy College, University of The Andes, Merida, 5101, Venez.
 SO Journal of Surfactants and Detergents (2005), 8(2), 187-191
 CODEN: JSDEFL; ISSN: 1097-3958
 PB AOCS Press
 DT Journal
 LA English
 AB New extended anionic surfactants with a carboxylate or sulfate polar head were synthesized from polypropoxylated alcs., and their structures were confirmed by ¹H and ¹³C NMR anal. The extended surfactant critical micelle concentration was found to decrease with the length of the polypropylene glycol spacer. Surfactants containing a diethylene glycol link to the head group exhibited a higher critical micelle concentration than did their nondiethoxylated homologs.
 IT 166407-12-1P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (synthesis of extended surfactants containing a carboxylate or sulfate polar group)
 RN 166407-12-1 CAPLUS
 CN Poly[oxy(methyl-1,2-ethanediyl)], α -dodecyl- ω -[2-[2-(sulfoxy)ethoxy]ethoxy]⁻, sodium salt (9CI) (CA INDEX NAME)



● Na

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 1996:591250 CAPLUS
 DN 125:279230
 OREF 125:52179a,52182a
 TI Systems containing mixtures of extended surfactants and conventional nonionics. Phase behavior and solubilization in microemulsion
 AU Minana-Perez, M.; Gracia, A.; Lachaise, J.; Salager, J. -L.
 CS Ingenieria Quimica, Universidad de Los Andes, Merida, Venez.
 SO World Surfactants Congress, 4th, Barcelona, June 3-7, 1996 (1996), Volume 2, 226-234 Publisher: Asociacion Espanola de Productores de Sustancias para Aplicaciones Tensionactivas, Barcelona, Spain.
 CODEN: 63KCAH
 DT Conference
 LA English
 AB The concept of lipophilic linker action recently allowed development of extended surfactants in which an intermediate polarity poly(propylene oxide) chain is inserted between the conventional lipophilic and hydrophilic groups. These extended surfactants are found to considerably enhance the interaction on the oil side of the interface up to the point that the formation of microemulsions is now possible with natural and synthetic triglyceride oils or very-long-chain hydrocarbons. Extended surfactants of the alkyl poly(propylene oxide) ethoxy sulfate type are mixed with conventional ethoxylated alkylphenol nonionics and the phase behavior and formation of microemulsions are analyzed by changing several formulation variables such as: mixture composition, number of propylene oxide groups, aqueous phase salinity, etc.
 IT 182704-29-6
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (mixts. with nonionic surfactants; phase behavior and solubilization in microemulsion)
 RN 182704-29-6 CAPLUS
 CN Poly[oxy(methyl-1,2-ethanediyl)], α -dodecyl- ω [-2-(sulfooxy)ethoxy] $-\$, sodium salt (9CI) (CA INDEX NAME)



● Na

L5 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1996:303961 CAPLUS

DN 124:320183

OREF 124:59313a,59316a

TI (Octyloxy)propanols for use in surfactant manufacture

IN Schmid, Karl; Neus, Michael; Nitsche, Michael

PA Henkel KGa, Germany

SO Ger. Offen., 11 pp.

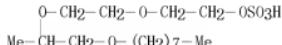
CODEN: GWXXBX

DT Patent

LA German

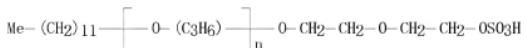
FAN, CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4436066 WO 9611177	A1 A1	19960411 19960418	DE 1994-4436066 WO 1995 DE1356	19941010 19951002
	W: CN, KR, US RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 785918	A1	19970730	EP 1995-934041	19951002
	R: DE, ES, FR, IT				
PRAI	DE 1994-4436066 WO 1995-DE1356	A W	19941010 19951002		
OS	CASREACT 124:320183; MARPAT 124:320183				
AB	The alcs. ROCH ₂ CH(Me)OH (R = branched or normal C8 alkyl group), containing <5% free octanol and useful for ethoxylation and sulfation in surfactant manufacture, are prepared. Heating 2 mol 1-octanol, 2-mol propylene oxide, and 4 g NaOMe at 140° for 30 min and vacuum distillation gave a nearly quant. yield of 1-(octyloxy)-2-propanol (I) containing 0.9% free octanol. Sulfation and ethoxylation of I are exemplified.				
IT	176660-48-3P				
	RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (manufacture of, for use in detergents)				
RN	176660-48-3 CAPLUS				
CN	Ethanol, 2-[2-[1-methyl-2-(octyloxy)ethoxy]ethoxy]-, 1-(hydrogen sulfate), sodium salt (1:1) (CA INDEX NAME)				



● Na

L5 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 1995:717380 CAPLUS
 DN 123:148412
 OREF 123:26341a, 26344a
 TI Solubilization of polar oils with extended surfactants
 AU Minana-Perez, Matilde; Graciaa, Alain; Lachaise, Jean; Salager, Jean-Louis
 CS Lab, FIRP, Ingenieria Quimica, Universidad de Los Andes, Merida, Venez.
 SO Colloids and Surfaces, A: Physicochemical and Engineering Aspects (1995),
 100, 217-24
 CODEN: CPEAEH; ISSN: 0927-7757
 PB Elsevier
 DT Journal
 LA English
 AB The solubilization of oil and water in a microemulsion can be improved by the introduction of an additive, a so-called extended-surfactant lipophilic linker that has a polypropylene oxide chain inserted between conventional alkyl ether and ether sulfate groups. This compound, a polypropylene oxide monododecyl ether sulfate, is of general structure C12H25(OCH₂CH₂)₂OSO₃⁻Na⁺. These surfactants exhibit a critical micelle concentration and a cloud point that changes with the number of propylene oxide groups per mol., show three-phase behavior at optimum formulations with hexadecane, Et oleate, and, triglycerides (e.g., soya oil and C8-10-triglycerides). Values of the optimum solubilization parameter were 10-30 mL/g. The results can have application in surfactant-solubilization enhanced petroleum recovery.
 IT 166407-12-1
 RL: NUU (Other use, unclassified); USES (Uses)
 (surfactant; in solubilization of polar oils in water in presence of lipophilic linker-type extended surfactants)
 RN 166407-12-1 CAPLUS
 CN Poly[oxy(methyl-1,2-ethanediyl)], α -dodecyl- ω -[2-[2-[2-(sulfoxy)ethoxy]ethoxy]-, sodium salt (9CI) (CA INDEX NAME)



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L7 56 SEA FILE=CAPLUS ABB=ON PLU=ON ("TROPSCH JUERGEN"/AU OR
"TROPSCH JUERGEN G"/AU OR "TROPSCH JURGEN"/AU OR "TROPSCH
JURGEN G"/AU)
L8 22 SEA FILE=CAPLUS ABB=ON PLU=ON ("ZELINSKI THOMAS"/AU OR
"ZELINSKI THOMAS W"/AU)
L9 77 SEA FILE=CAPLUS ABB=ON PLU=ON L7 OR L8
L10 5 SEA FILE=CAPLUS ABB=ON PLU=ON L9 AND ?SULFATES

=> d 1-5 bib abs

L10 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN		DN 2007:963962 CAPLUS		TI Surfactant mixture containing short-chain and long-chain components	
IN Steinbrenner, Ulrich; Kieburg, Christoffer; Tropsch, Juergen;		SO Baur, Richard; Zimdahl, Soeren; Dailey, James S.; Lippert, Ernst; Iyer, Sridhar G.		PA BASF Aktiengesellschaft, Germany	
SO PCT Int. Appl., 42pp.		PA CODEN: PIXXD2		DT Patent	
LA German		LA German		FAN, CNT 2	
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI WO 2007096292	A1	20070830	WO 2007-EP51463	20070215	
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW					
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
CA 2640642	A1	20070830	CA 2007-2640642	20070215	
EP 1988986	A1	20081112	EP 2007-704591	20070215	
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR					
KR 2008087178	A	20080930	KR 2008-720604	20080822	
PRAI EP 2006-110269	A	20060222			
WO 2007-EP51463	W	20070215			
AB A surfactant mixture with HLB value 10 - 15 comprising (a) a short-chain component containing alkoxylation products (ethoxy, propoxy, butoxy and/or pentoxy) of C8-12 alkanols having branching degree ≥ 1 and (b) a long-chain component containing alkoxylation products (ethoxy, propoxy, butoxy and/or pentoxy) of C13-20 alkanols having branching degree 0 - 0.3 or/and their phosphates, sulfates ester and/or ethercarboxylates at ratios (99:1) - (1:99) is used as a cleaning and wetting agent. Thus, a mixture 2-propylheptanol and 5-methyl-2-propylhexanol having average branching degree 1.15 and tallol ales. (C16-18 ales.) having branching degree 0 at ratio 9:1 was ethoxylated with 20-x excess of ethylene oxide in the presence KOH giving a stable against lyotropic salts mixture having HLB value 11.6 used as wetting agent for cotton textiles.					
RE, CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD					
		ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L10 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 2005:901877 CAPLUS
 DN 143:250105
 TI Polyoxalkylene alkyl ether sulfates as anionic surfactants with low critical micelle concentrations
 IN Tropsch, Juergen; Zelinski, Thomas
 PA BASF A.-G., Germany
 SO Ger. Offen., 14 pp.
 CODEN: GWXXBX

DT Patent

LA German

FAN, CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004007152	A1	20050825	DE 2004-102004007152	20040212
CA 2555788	A1	20050825	CA 2005-2555788	20050210
WO 2005077893	A1	20050825	WO 2005-EP1319	20050210

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1718606 A1 20061108 EP 2005-707300 20050210
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS
 CN 1918116 A 20070221 CN 2005-80004894 20050210
 JP 2007534669 T 20071129 JP 2006-552540 20050210
 MX 2006PA08468 A 20061009 MX 2006-PA8468 20060727
 US 20080207939 A1 20080828 US 2006-588217 20060802

PRAI DE 2004-102004007152 A 20040212
 WO 2005-EP1319 W 20050210
 OS MARPAT 143:250105
 AB RO(CH₂CH₂O)_x(CH₂CHR10)y(CH₂CH₂O)_zS03-M⁺ (I; R = C8-18 alkyl; R1 = Me, Et; M⁺ = alkali metal cation, NH₄⁺, HNR23⁺; R2 = alkyl, CH₂CH₂OH, CH₂CHOHMe; x = 0-3; y = 1-10; z = 0-30) are useful as anionic surfactants in detergents and cosmetic formulations. The CMC values of surfactants I are comparable to those of long-chain alcs. and the ratio A of CMC values for RO(CH₂CH₂O)_xS03-M⁺ and CMC for I is >1, preferably >1.5. For example, a sulfonated alkoxylation product of 2-propylheptanol comprising 2 mol propylene oxide and 3 mol ethylene oxide had CMC 1.67 mmol/L, vs. 8.29 mmol/L for sulfonated alkoxylation product of 2-propylheptanol propoxylated with 3 mol propylene oxide, which gave A ratio of 4.96.

L10 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 2002:89987 CAPLUS
 DN 136:136652
 TI Manufacture of secondary C10-18 alcohols as surfactants
 IN Maas, Heiko; Tropsch, Juergen
 PA Basf Aktiengesellschaft, Germany
 SO PCT Int. Appl., 28 pp.
 CODEN: PIXXD2

DT Patent
 LA German

FAN, CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002008164	A1	20020131	WO 2001-EP8197	200010716
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	DE 10035617	A1	20020131	DE 2000-10035617	20000721
	CA 2415715	A1	20020131	CA 2001-2415715	20010716
	EP 1303472	A1	20030423	EP 2001-956537	20010716
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MR, CY, AL, TR				
	BR 2001012647	A	20030624	BR 2001-12647	20010716
	JP 2004504370	T	20040212	JP 2002-514074	20010716
	MX 2003PA00205	A	20030619	MX 2003-PA205	20030107
	US 20030176745	A1	20030918	US 2003-312586	20030117
	US 7074972	B2	20060711		
	ZA 2003000507	A	20040714	ZA 2003-507	20030120
PRAI	DE 2000-10035617	A	20000721		
	WO 2001-EP8197	W	20010716		

OS MARPAT 136:136652

AB $\text{RCH}_2\text{CH}_2\text{CHOHRI}$ (I; $\text{R} = \text{C}_6\text{-13 alkyl}$; $\text{R} = \text{Me, Et}$), except 5-ethyl-2-nonalanol and 6-ethyl-3-decanol, were manufactured as surfactants useful in laundry detergents, cleaning compns. etc. The derivs. of I, specifically fatty alc. alkoxylates, alkyl phosphates, alkyl ether phosphates, alkyl sulfates and alkyl ether sulfates were also claimed. I are manufactured by simple aldol condensation of linear or branched (un)saturated C7-14 aldehydes, except 2-Et hexanal, with Me_2CO or MeCOEt and the subsequent hydrogenation of the condensation product. The aldol condensation is preferably catalyzed with a heterogeneous catalyst under hydrogenation conditions and the saturated ketone that has been formed is subsequently hydrogenated. For example, a mixture of nonanal isomers and Me_2CO was heated at 160° under H pressure in the presence of Al203-supported Pd0 and Pr203 catalyst to give a mixture of dodecanols and dodecano isomers. Me_2CHOH and Me_2CO were removed by distillation and the products were hydrogenated at 150° in the presence of Raney Ni to give 2-dodecanol isomers with branching degree 1.4. Ethoxylation of the latter isomers gave a title surfactant having cloud point 73° and surface tension 26.4 mN/m .

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 2001:923952 CAPLUS

DN 136:55573

TI Manufacture of detergents based on oxo alcohols

IN Tropsch, Juergen; Maas, Heiko

PA Basf Aktiengesellschaft, Germany

SO PCT Int. Appl., 58 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN, CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001096508	A1	20011220	WO 2001-EP6709	200010613
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	DE 10029692	A1	20011220	DE 2000-10029692	20000616
	DE 10029693	A1	20011220	DE 2000-10029693	20000616
	CA 2412755	A1	20021213	CA 2001-2412755	20010613
	EP 1294837	A1	20030326	EP 2001-960307	20010613
	EP 1294837	B1	20050824		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	BR 2001011704	A	20030708	BR 2001-11704	20010613
	JP 2004053660	T	20040205	JP 2002-510628	20010613
	CN 1192085	C	20050309	CN 2001-811252	20010613
	AT 302834	T	20050915	AT 2001-960307	20010613
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	MX 2002PA12194	A	20030606	MX 2002-PA12194	20021210
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	US 7074749	B2	20060711		
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PRAI	DE 2000-10029692	A	20000616		
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	WO 2001-EP6709	W	20010613		

AB Detergents and hard surface cleaners contain alkoxylated oxo alcs. or their sulfates or phosphates i-C_nH_{2a+1}(OCH₂CHR)_x(OCH₂CHR₂)_yR₃ (R₁, R₂ = H, C_nH_{2n+1} alkyl; R₃ = H, sulfato, phosphato residue; a = 11, 12, 13; n = 1-16; x, y = 0-200) and, optionally, other surfactants. The residue i-C_nH_{2a+1} is derived from oxo alcs. obtained by hydroformylation of decene and/or dodecene which were produced by dimerization of 2-pentene and/or 3-hexene. For example, catalytic dimerization of 3-hexene (manufacture by metathesis reaction of a C4-olefin stream in presence of Al203-supported Re207 catalyst given) gave C12 fraction containing n-dodecene 14.2, 5-methylundecene 31.8, 4-ethyldecene 29.1, 5,6-dimethyldecene 6.6, 4-methyl-5-ethylhexene 9.3 and diethylolene 3.7%. Hydroformylation of the latter mixture with CO/H in PhMe, in the presence of rhodium biscalcarbonyl acetylacetone and polyethyleneimine N-acylated with lauric acid, gave a tridecanol fraction which was subjected to addnl. catalytic (Co/Mo) hydrogenation to give tridecanol having OH number 279 mg KOH/g. Ethoxylation of the latter with 7.5 mol ethylene oxide gave a surfactant with good washing and oil-removing properties.

RE. CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 2000:645959 CAPLUS
 DN 133:239738
 TI Surfactant alcohols, their production and their use and olefin mixtures
 therefor
 IN Maas, Heiko; Roper, Michael; Walter, Marc; Schulz, Ralf; Tropsch,
 Jürgen; Jäger, Hans-Ulrich
 PA Basf Aktiengesellschaft, Germany
 SO PCT Int. Appl., 35 pp.
 CODEN: PIXXD2
 DT Patent
 LA German

FAN, CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000053547	A1	20000914	WO 2000-EP1935	20000306
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19910370	A1	20000914	DE 1999-19910370	19990309	
EP 1159237	A1	20011205	EP 2000-909324	20000306	
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	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002539095	T	20021119	JP 2000-603990	20000306	
AT 249405	T	20030915	AT 2000-909324	20000306	
PT 1159237	T	20040227	PT 2000-909324	20000306	
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PRAI	DE 1999-19910370	A	19990309		
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OS MARPAT 133:239738

AB The invention relates to a method of preparing surface-active alcs. and surface-active alc. ethers which are well suited for use as surface-active agents or for the preparation of surface-active agents. To this end, olefin mixts. containing a predominant share of branched dodecenes (prepared from olefin mixts. containing less than 30 % by weight linear hexene isomers using a catalyst containing nickel) are derivatized to form surface-active alcs. which are then possibly alkoxylated. The invention also relates to the use of said surface-active alcs. and surface-active alc. ethers for the preparation of surface-active agents by glycosidation or polyglycosidation, sulfation, or phosphation. In an example, a mixture of of methylpentenes 71, hexenes 22, and dimethylbutenes 7% was dimerized over a catalyst containing 50% NiO to give a dodecene mixture which was then hydroformylated and reduced to give a mixture of C13-primary alcs. The alc. mixture could then be ethoxylated, phosphated, or sulfated and the ethoxylate could also be sulfated or phosphated to give surfactants.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

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 E ZELINSKI THOMAS/AU
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